



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

Certificate of Analysis

Product Name: Magnesium L-threonate

CAS No.: 778571-57-6

Molecular Formula: C₈H₁₄MgO₁₀

Molecular Weight: 294.5

Batch No.: HDC20231202

Batch Quantity: 1000.00kg

Manufacturing Date: Dec 2nd, 2023

Retest Date: Dec 1st, 2025

Test Item	Specification	Test Result	Test Method
Character	White crystalline powder	Conforms	Visual
Loss on Drying	Less than 1.0%	0.42%	USP41<731>
The content of Magnesium	7.2% ~ 8.3%	8.28%	Titration
The content of Magnesium L-threonate	Not less than 98.0%	99.5%	USP41
pH Value	5.8 ~ 7.0	6.09	GB/T9724
Heavy Metals	Less than 10 ppm	< 10 ppm	USP41<231>
Lead (Pb)	Not more than 0.5 ppm	< 0.5 ppm	USP41<251>
Cadmium (Cd)	Not more than 0.5 ppm	< 0.5 ppm	USP41<231>
Ash	Less than 1.0%	0.33%	USP41<281>
Arsenic (As)	Not more than 2 ppm	< 2 ppm	USP41<211>
Mercury (Hg)	Not more than 0.1 ppm	< 0.1 ppm	USP41<261>
Total plate count	Not more than 1000 CFU/g	< 1000 CFU/g	USP41<2021>/<2022>
Total yeasts & moulds	Not more than 100 CFU/g	< 100 CFU/g	USP41<2021>/<2022>
Staphylococcus aureus	Negative	Not detected	USP41<2021>/<2022>
Escherichia coli	Not more than 40MPN/100g	Not detected	USP41<2021>/<2022>
Salmonella	Negative	Not detected	USP41<2021>/<2022>
Bulk Density	Not less than 0.50g/mL	0.63g/mL	USP41<616>

Conclusion: The testing results of this batch are complied with the Enterprise Standard.

Storage Conditions: Preserved in tight, light-resistant containers; kept at room temperature away from heat and moisture.